

WHAT IS CLAIMED IS:

1. A hologram forming apparatus comprising:
means for pasting a separately produced image on a stereo image model
showing at least a part of a three-dimensional object previously prepared to produce
a synthetic image; and
means for producing a parallax image train from the synthetic image from
the image synthesizing means.

2. The apparatus as set forth in Claim 1, wherein the image synthesizing
means combines the separately captured image with the stereo image model being
at least a part of the three-dimensional object image prepared in advance.

3. The apparatus as set forth in Claim 1, further comprising means for
sequentially recording each image of the parallax image train as an element
hologram on a sensitive material by exposing the sensitive material to an object
beam and reference beam at the same time.

4. The apparatus as set forth in Claim 1, wherein the parallax image train
generating means renders the synthetic image to produce a parallax image train.

5. A hologram forming apparatus comprising:
first means for producing a three-dimensional object image train containing a
stereo image model in at least a part thereof;
second means for producing a train of images produced separately; and
means for pasting the image train produced by the second image train

producing means on the stereo image model of the three-dimensional object image train produced by the first image train producing means to synthesize a parallax image train.

6. The apparatus as set forth in Claim 5, further comprising means for sequentially recording each image of the parallax image train as an element hologram on a sensitive material by exposing the sensitive material to an object beam and reference beam at the same time.

7. The apparatus as set forth in Claim 5, wherein the first image train generating means renders a three-dimensional object image having a stereo image model disposed in at least a part thereof and the second image train generating means renders the image to produce an image train.

8. A hologram forming method comprising steps of:

combining a separately produced image and a stereo image model showing at least a part of a three-dimensional object previously prepared to produce a synthetic image; and

producing a parallax image train from the synthetic image produced at the synthesizing step.

9. The method as set forth in Claim 8, further comprising a step of sequentially recording each image of the parallax image train as an element hologram on a sensitive material by exposing the sensitive material to an object beam and reference beam at the same time.

10. A hologram forming method comprising:

a first step of producing a three-dimensional object image train containing a stereo image model in at least a part thereof;

a second step of producing a train of images produced separately; and

a step of pasting the image train produced at the second image train producing step on the stereo image model of the three-dimensional object image train produced at the second image train producing step to synthesize a parallax image train.

11. The method as set forth in Claim 10, further comprising a step of sequentially recording each image of the parallax image train as an element hologram on a sensitive material by exposing the sensitive material to an object beam and reference beam at the same time.

12. A hologram having recorded therein a parallax image train produced from an image synthesized by pasting a separately produced image onto a stereo image model showing at least a part of a three-dimensional object previously prepared.

13. A hologram having recorded therein a parallax image train produced from an image synthesized by pasting a train of separately produced images on a train of three-dimensional object images containing a stereo image model in at least a part thereof.